DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TOMOKA LF | SITE LOCATION: Volusia CO.

WELL NO: B62-2 | SAMPLE ID: F05050029-036 | DATE: 5-12-05

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 3/8" | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 14.00 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (22.58 feet – 14.00 feet) X .16 gallons/foot = 1.37 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 19 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 19 | PURGING INITIATED AT: 15:00 | PURGING ENDED AT: 15:09 | TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
15:03	1.5	1.5	.5	15.20	6.36	24.12	1974	2.19	19	yellow	yes	no
15:05	1.0	2.5			6.39	24.04	2015	2.03	13			
15:07	1.0	3.5			6.40	24.00	2059	1.96	12			
15:09	1.0	4.5			6.39	23.98	2079	1.97	9.1			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson / ELAB | SAMPLER(S) SIGNATURES: B. Hutcheson

PUMP OR TUBING DEPTH IN WELL (feet): 19 | SAMPLE PUMP FLOW RATE (mL per minute): ≤100mL/≤200mL | SAMPLING INITIATED AT: 15:10 | SAMPLING ENDED AT: 15:26

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | Filtration Equipment Type: | FILTER SIZE: ____ µm | TUBING MATERIAL CODE: Pe

DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	cg	40mL	HCL		≤2	8260	
	2	cg	40mL	NONE		N/A	8011	RFPP
	1	Pe	500mL	HNO_3		≤2	ICP metal	
	1	Pe	1L	NONE		N/A	TDS	PP
	1	Pe	250mL	H_2SO_4		≤2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co, FL
WELL NO: B63-1	SAMPLE ID:	DATE: 5/13/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Eld	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ μm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS: Well flooded not accessable

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tondra LF		SITE LOCATION: Volusia, Co, FL	
WELL NO: B63-2	SAMPLE ID:		DATE: 5/13/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elab	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS: Well flooded, not assessed

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TomokA LF		SITE LOCATION: Volusia CO.	
WELL NO: B64	SAMPLE ID: F05050029-039		DATE: 5-11-05

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 3/8" | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 1.90 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (17.60 feet – 1.90 feet) X .16 gallons/foot = 2.51 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7 | PURGING INITIATED AT: 13:45 | PURGING ENDED AT: 1359 | TOTAL VOLUME PURGED (gallons): 7.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1351	3.0	3.0	.5	4.2	5.87	20.88	1922	1.40	45	light yellow	NO	NO
1353	1.0	4.0		4.2	5.97	20.75	1936	1.21	17	light yellow	NO	NO
1355	1.0	5.0		4.2	5.96	20.72	1929	1.17	23	light yellow	NO	NO
1357	1.0	6.0		4.2	6.00	20.71	1939	1.17	8.1	light yellow	NO	NO
1359	1.0	7.0		4.2	5.96	20.75	1933	1.13	4.2	v.lt yellow	NO	NO

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson/ELCAS | SAMPLER(S) SIGNATURES: B. Hutcheson | SAMPLING INITIATED AT: 1400 | SAMPLING ENDED AT: 14:15

PUMP OR TUBING DEPTH IN WELL (feet): 7 | SAMPLE PUMP FLOW RATE (mL per minute): ≤100ml / ≤200ml | TUBING MATERIAL CODE: Pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ____ μm | Filtration Equipment Type: | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	cg	40ml	HCL	~~≤2~~	≤2	8260	PP
	2	cg	40ml	NONE	~~N/A~~	N/A	504	
	1	Pe	500ml	HNO3	~~≤2~~	≤2	ICP Metal	
	1	Pe	1L	NONE	~~N/A~~	N/A	TDS	
	1	Pe	250	H_2SO_4	~~N/A~~	≤2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co, FL	
WELL NO: B65	SAMPLE ID: F05050029 - 040 ,-058		DATE: 5/5/05

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 3.65	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (17.88 feet – 3.65 feet) X .16 gallons/foot = 2.27 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1009	TOTAL VOLUME PURGED (gallons): 4.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1005	2.50	2.50	.5	4.00	5.85	19.7	770	1.88	1.5	no	no
1007	1.00	3.50		4.00	5.77	19.7	768	1.82	3.2		
1009	1.00	4.50		4.00	5.72	19.7	767	1.70	1.6		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elad	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	SAMPLE PUMP FLOW RATE (mL per minute): 100-200	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ___ µm	DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	6	CG	40mL	HCl		2	8260	RFPP
	4	CG	40mL				8011	RFPP
	2	PE	1L				TDS	PP
	2	PE	500mL	HNO3		2	Metals	
	2	PE	250mL	H2SO4		2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co.	
WELL NO: B16	SAMPLE ID: F05050029-041		DATE: 5-12-05

PURGING DATA

WELL DIAMETER (inches): 2"	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.20	PURGE PUMP TYPE OR BAILER: DP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

= (17.42 feet − 5.20 feet) X .16 gallons/foot = 1.96 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11	PURGING INITIATED AT: 15:50	PURGING ENDED AT: 15:58	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Shee
15:54	2.0	2.0	.5	6.45	6.62	22.98	548	4.09	8.9	NO	NO	NO
15:56	1.0	3.0	|	|	6.61	22.74	547	4.05	2.6	|	|	|
15:58	1.0	4.0	|	|	6.61	22.60	547	4.03	3.0	|	|	|

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson/ELAB	SAMPLER(S) SIGNATURES: B. Hutcheson	SAMPLING INITIATED AT: 15:59	SAMPLING ENDED AT: 16:15
PUMP OR TUBING DEPTH IN WELL (feet): 11	SAMPLE PUMP FLOW RATE (mL per minute): ≤100mL/≤200mL	TUBING MATERIAL CODE: Pe	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	cg	40mL	HCL		≤2	8260	RFPP
	2	cg	40mL	NONE		N/A	8011	↓
	1	Pe	500mL	HNO3		≤2	ICP metal	PP
	1	Pe	1L	NONE		N/A	TDS	|
	1	Pe	250mL	H_2SO_4		≤2	Nutrient	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF
SITE LOCATION: Volusia Co, FL
WELL NO: B68
SAMPLE ID: F05050029-042
DATE: 5/6/05

PURGING DATA

WELL DIAMETER (inches): 2
TUBING DIAMETER (inches): 3/8
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 6.32
PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (36.44 feet – 6.32 feet) X .16 gallons/foot = 4.81 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0
FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0
PURGING INITIATED AT: 1310
PURGING ENDED AT: 1326
TOTAL VOLUME PURGED (gallons): 8.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1320	5.0	5.0	.5	8.20	5.44	21.8	536	1.32	8.7	yellow	no	Sheen no
1323	1.5	6.5		8.20	5.44	21.9	536	1.25	8.5			
1326	1.5	8.0		8.20	5.42	21.9	535	1.18	7.9			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Eliot
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1327
SAMPLING ENDED AT: 1346
PUMP OR TUBING DEPTH IN WELL (feet): 10.0
SAMPLE PUMP FLOW RATE (mL per minute): 100-200
TUBING MATERIAL CODE: PE
FIELD DECONTAMINATION: Y N
FIELD-FILTERED: Y N
FILTER SIZE: _____ µm
Filtration Equipment Type:
DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl		2	8260	RFPP
	2	CG	40ml				8011	RFPP
	1	PE	1L				TDS	PP
	1	PE	500ml	HNO_3		2	Metals	
	1	PE	250ml	H_2SO_4		2	nutrient	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Zimda LF	SITE LOCATION: Volusia Co, FL
WELL NO: B 20-1	SAMPLE ID: F05050029-043	DATE: 5/3/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: ? feet to ? feet | STATIC DEPTH TO WATER (feet): 10.28 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)

= (38.95 feet – 10.28 feet) X .16 gallons/foot = 4.59 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | PURGING INITIATED AT: 1140 | PURGING ENDED AT: 1156 | TOTAL VOLUME PURGED (gallons): 8.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1150	5.0	5.0	.5	10.57	5.19	22.26	153	1.06	2.6	NO	NO	no
1153	1.5	6.5			5.20	22.31	155	1.02	2.5			
1156	1.5	8.0			5.20	22.32	155	1.02	2.2			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Cibolle Fld | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1157 | SAMPLING ENDED AT: 1200

PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: _____ μm | Filtration Equipment Type: | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	cg	40mL	HCL		≤2	8260	RFPP
	2	cg	40mL				8011	RFPP
	1	Pe	1l				TDS	PP
	1	Pe	500mL	HNO_3		≤2	ICP metal	
	1	Pe	250mL	H_2SO_4		≤2	Nutrition	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co, FL	
WELL NO: B70-2	SAMPLE ID: F0505029-044		DATE: 5/3/05

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: ? feet to ? feet	STATIC DEPTH TO WATER (feet): 10.29	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (~~32~~ 22.41 feet – ~~10.25~~ 10.29 feet) X 1/6 gallons/foot = 1.93 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.0	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1148	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1144	2.0	2.0	.5	11.25	4.81	21.7	208	1.42	14	no	no	no
1146	1.0	3.0		11.25	4.79	21.7	207	1.38	12			
1148	1.0	4.0		11.25	4.77	21.7	207	1.32	10			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle/Elad	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1202
PUMP OR TUBING DEPTH IN WELL (feet): 14.0	SAMPLE PUMP FLOW RATE (mL per minute): 100-200	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N (Y circled)	FIELD-FILTERED: Y N (N circled) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N (N circled)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl		2	8260	RFPP
	2	CG	40ml				8011	RFPP
	1	PE	1L				705	PP
	1	PE	500ml	ICP Metals		2	ICP Metals	
	1	PE	250ml	Nitrate		2	Nitrate	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF | SITE LOCATION: Volusia Co, FL
WELL NO: B71 | SAMPLE ID: F05050029-045 | DATE: 5/5/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/4 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 8.10 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (21.85 feet – 8.10 feet) X .16 gallons/foot = 2.20 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | PURGING INITIATED AT: 1125 | PURGING ENDED AT: 1134 | TOTAL VOLUME PURGED (gallons): 4.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1130	2.50	2.50	.5	8.61	5.20	21.6	319	1.55	6.7	yellow	no	no
1132	1.00	3.50		8.61	5.17	21.5	315	1.40	6.1			
1134	1.00	4.50		8.61	5.13	21.5	311	1.28	5.1			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Etal | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1135 | SAMPLING ENDED AT: 1147
PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe
FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ____ µm | Filtration Equipment Type: | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	Cg	40ml	Hcl		2	8260	RFPP
	2	Cg	40ml				8011	RFPP
	1	pe	1L				Ammonia	PP
	1		500ml	HNO3		2	Metals	
	1		250ml	H2SO4		2	Nitr	

REMARKS: B71 does not have a well cap, well no I.D, case bent from being hit

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF | SITE LOCATION: Volusia Co, FL
WELL NO: B72 | SAMPLE ID: F05050029-046 | DATE: 5/5/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 5.75 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (21.81 feet – 5.75 feet) X .16 gallons/foot = 2.57 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | PURGING INITIATED AT: 1200 | PURGING ENDED AT: 1210 | TOTAL VOLUME PURGED (gallons): 5.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	
1206	3.00	3.00	.5	7.51	5.86	21.3	1648	1.71	80			Sheen
1208	1.00	4.00	.5	7.51	5.86	21.2	1635	1.66	75	red	no	no
1210	1.00	5.00		7.52	5.86	21.2	1628	1.58	70			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Eld | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1211 | SAMPLING ENDED AT: 1224

PUMP OR TUBING DEPTH IN WELL (feet): 10.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	cg	40ml	HCl		2	8260	RFPP
	2	cg	40ml				8011	RFPP
	1	pe	1L				Misc Ins	PP
	1	pe	500ml	HNO3		2	Metals	
	1	pe	250ml	H2SO4		2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka | SITE LOCATION: Volusia Co, FL

WELL NO: B73-1 | SAMPLE ID: F0505002a-047,-061 | DATE: 5/6/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 6.08 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (37.90 feet – 6.08 feet) X .16 gallons/foot = 5.09 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8.0 | PURGING INITIATED AT: 1046 | PURGING ENDED AT: 1056 | TOTAL VOLUME PURGED (gallons): 8.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1050	5.00	5.00	.5	6.27	6.21	21.4	653	1.80	2.2	no	no
1053	1.50	6.50		6.25	6.20	21.5	650	1.72	2.1		
1056	1.50	8.00		6.25	6.19	21.5	649	1.68	2.0		

Sheen / no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Eland | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1057 | SAMPLING ENDED AT: 1122

PUMP OR TUBING DEPTH IN WELL (feet): 8.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ____ µm | Filtration Equipment Type: | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	6	cg	40mL	HCl		2	8260	RFPP
	4	cg	40mL				8011	RFPP
	2	pe	1L				TDS	PP
	2	pe	500mL	HNO3		2	Metals	
	2	pe	250mL	H2SO4		2	Nutrients	

REMARKS:
Well is not Id'd

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF
SITE LOCATION: Tomoka LF, Volusia Co, FL
WELL NO: B73-2
SAMPLE ID: F05050029-048
DATE: 5/6/05

PURGING DATA

WELL DIAMETER (inches): 2
TUBING DIAMETER (inches): 3/8
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 5.48
PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (20.63 feet – 5.48 feet) X .16 gallons/foot = 2.42 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00
FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.00
PURGING INITIATED AT: 1040
PURGING ENDED AT: 1049
TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1045	2.5	2.5	.5	12.00	6.07	21.1	475	1.41	29	yellow	yes	no
1047	1.0	3.5		12.00	6.07	21.1	483	1.38	29			
1049	1.0	4.5		12.00	6.07	21.1	500	1.34	30			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elad
SAMPLER(S) SIGNATURES: [signature]
SAMPLING INITIATED AT: 1050
SAMPLING ENDED AT: 1104
PUMP OR TUBING DEPTH IN WELL (feet): 15.00
SAMPLE PUMP FLOW RATE (mL per minute): 100-200
TUBING MATERIAL CODE: pe
FIELD DECONTAMINATION: Y N (Y circled)
FIELD-FILTERED: Y N (N circled)
FILTER SIZE: ____ µm
Filtration Equipment Type:
DUPLICATE: Y N (N circled)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	cg	40mL	HCl		2	8260	RFPP
	2	cg	40mL				8011	RFPP
	1	pe	1L				TDS	PP
	1	pe	500mL	HNO3		2	Metals	
	1	pe	250mL	H2SO4		2	Nutrients	

REMARKS: Well is not ID'd

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF | SITE LOCATION: Volusia Co, FL

WELL NO: B74A | SAMPLE ID: F05050029-049 | DATE: 5/6/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 12.10 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (22.18 feet – 12.10 feet) X .16 gallons/foot = 1.61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.0 | PURGING INITIATED AT: 1130 | PURGING ENDED AT: 1138 | TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1134	2.0	2.0	.5	12.50	4.49	20.7	221	1.63	8.8		
1136	1.0	3.0		12.50	4.42	20.7	219	1.54	7.8	yellow	no
1138	1.0	4.0		12.50	4.39	20.7	218	1.47	7.2		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elab | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1139 | SAMPLING ENDED AT: 1151

PUMP OR TUBING DEPTH IN WELL (feet): 15.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y N (Y circled) | FIELD-FILTERED: Y N (N circled) | Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N (N circled)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40mL	HCl		2	8260	~~8260~~ RFPP
	2	CG	40mL				8011	~~8011~~ RFPP
	1	PE	1L				705	PP
	1	PE	500mL	HNO_3		2	Metals	PP
	1	PE	250mL	H_2SO_4		2	Nutrients	PP

REMARKS: B74A is not ID'd or has a well lock

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co, FL	
WELL NO: B75	SAMPLE ID: F05050029-050		DATE: 5/6/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 9.66 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (21.23 feet – 9.66 feet) X .16 gallons/foot = 1.85 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | PURGING INITIATED AT: 1200 | PURGING ENDED AT: 1208 | TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1204	2.0	2.0	.5	10.71	5.57	20.5	511	1.40	85		
1206	1.0	3.0		10.71	5.57	20.5	517	1.24	85	orange	no
1208	1.0	4.0		10.71	5.59	20.5	532	1.15	85		

Sheen
no

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Criddle Elliott | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1209 | SAMPLING ENDED AT: 1221

PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y N (Y circled) | FIELD-FILTERED: Y N (N circled) Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N (N circled)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40mL	HCl		2	8260	RFPP
	2	CG	40mL				8011	RFPP
	1	PE	1L				TDS	PP
	1	PE	500mL	HNO_3		2	Metals	
	1	PE	250mL	H_2SO_4		2	Nutrients	

REMARKS: B75 does not have a well lid, nor well is ID'd

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co.	
WELL NO: FA-1B	SAMPLE ID: F05050029-051		DATE: 5-13-05

PURGING DATA

WELL DIAMETER (inches): 4" | TUBING DIAMETER (inches): 3/8" | WELL SCREEN INTERVAL DEPTH: 91.40 feet to 101.40 feet | STATIC DEPTH TO WATER (feet): 11.70 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= .3 gallons + (.006 gallons/foot X 96 feet) + .5 gallons = 1.38 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 96 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 96 | PURGING INITIATED AT: 12:10 | PURGING ENDED AT: 12:23 | TOTAL VOLUME PURGED (gallons): 2.6

Shee

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:17	1.4	1.4	.2	12.10	9.20	23.74	566	1.70	2.2		
12:19	.4	1.8	|	|	9.21	23.93	565	1.54	1.8	NO	NO
12:21	.4	2.2	|	|	9.20	24.00	565	1.45	1.7	|	|
12:23	.4	2.6	|	|	9.20	24.01	565	1.38	1.4	|	|

NO

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson/ELAB | SAMPLER(S) SIGNATURES: B. Hutcheson | SAMPLING INITIATED AT: 12:24 | SAMPLING ENDED AT: 12:39

PUMP OR TUBING DEPTH IN WELL (feet): 96 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: (Y) N | FIELD-FILTERED: Y (N) | FILTER SIZE: ____ µm
Filtration Equipment Type:
DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	cg	40ml	Hcl		2	8260	RFPP
	2	cg	40ml				8011	|
	1	pe	1L				Nutrients	PP
	1	pe	500ml	HNO3		2	Metals	
	1	pe	250ml	H2SO4		2	Nutrs	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: TomoKA LF	SITE LOCATION: Volusia CO.
WELL NO: FA-2C / DUP	SAMPLE ID: total F05050029-052, -073 — DATE: 5-13-05

95.10 PURGING DATA

WELL DIAMETER (inches): 4" — TUBING DIAMETER (inches): 3/8" — WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet — STATIC DEPTH TO WATER (feet): 10.75 — PURGE PUMP TYPE OR BAILER: DP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= .3 gallons + (.006 gallons/foot X 18 feet) + .5 gallons = .908 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18 — FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18 — PURGING INITIATED AT: 11:15 — PURGING ENDED AT: 11:26 — TOTAL VOLUME PURGED (gallons): 2.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
11:20	1.0	1.0	.2	11.05	9.58	23.39	502	1.96	2.8	NO	NO	NO
11:22	.4	1.4	|	|	9.60	22.40	505	1.50	3.4	|	|	|
11:24	.4	1.8	|	|	9.60	22.38	510	1.40	2.7	|	|	|
11:26	.4	2.2	|	|	9.55	22.38	510	1.38	2.8	|	|	|

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson / ELab — SAMPLER(S) SIGNATURES: B. Hutcheson — SAMPLING INITIATED AT: 11:27 — SAMPLING ENDED AT: 11:59

PUMP OR TUBING DEPTH IN WELL (feet): 18 — SAMPLE PUMP FLOW RATE (mL per minute): 100-200 — TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: (Y) N — FIELD-FILTERED: Y (N) — FILTER SIZE: ____ µm — Filtration Equipment Type: — DUPLICATE: (Y) N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	6	cg	40ml	HCl		2	8260	RFPP
	4	cg	40ml				8011	↓
	2	pe	1L				TDS Nutrients	PP
	2	pe	500ml	HNO3		2	Metals	|
	2	pe	250ml	H2SO4		2	Nutri	|

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka | SITE LOCATION: Volusia Co, FL

WELL NO: MO5 | SAMPLE ID: F0505 0029-053 | DATE: 5/3/05

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 9.43 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (20.27 feet – 9.43 feet) X .16 gallons/foot = 1.89 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | PURGING INITIATED AT: 1215 | PURGING ENDED AT: 1223 | TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)	Sheen
1219	2.0	2.0	.5	9.75	5.82	21.50	1141	3.50	5.2			
1221	1.0	3.0			5.83	21.50	1140	3.46	6.0	NO	NO	NO
1223	1.0	4.0			5.80	21.50	1141	3.49	4.2			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elad | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1224 | SAMPLING ENDED AT: 12:35

PUMP OR TUBING DEPTH IN WELL (feet): 12.0 | SAMPLE PUMP FLOW RATE (mL per minute): 300-400 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N (Y circled) | FIELD-FILTERED: Y N (N circled) Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N (N circled)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	Cg	40ml	HCl		2	8260	RFPP
	2	Cg	40mL				8011	RFPP
	1	pe	1L				TDS	PP
	1	pe	500mL	HNO3		2	ICP Metals	
	1	pe	250mL	H_2SO_4		2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Daytona Beach FL Volusia Co	
WELL NO: EQ	SAMPLE ID: F0508029-054		DATE: 5/3/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1030											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / ELab	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1035
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: pe	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	Cg	40ml	HCl		2	8260	RF PP
	2	Cg	40ml				8011	RFPP
	1	pe	1L				105	PP
	1	pe	500ml	HNO3		2	3EP Metals	
	1	pe	250ml	H2SO4		2	Nitrate	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka CF	SITE LOCATION: Volusia Co, FL	
WELL NO: Ea	SAMPLE ID: F0505029-057	DATE: 5/5/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
950											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elad	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 950	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: pe	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	Cg	40mL	Hcl		2	8260	RFPP
	2	Cg	40mL				8011	RFPP
	1	pe	1L				705	PP
	1	pe	500mL	HNO_3		2	Metals	
	1	pe	250mL	H_2SO_4		2	Nutrient	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka	SITE LOCATION: Volusia Co, FL	
WELL NO: EQ	SAMPLE ID: F0505 0029-060	DATE: 5/16/05

PURGING DATA

WELL DIAMETER (inches): | TUBING DIAMETER (inches): | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: | PURGING ENDED AT: | TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1030											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elab | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1036 | SAMPLING ENDED AT:

PUMP OR TUBING DEPTH IN WELL (feet): | SAMPLE PUMP FLOW RATE (mL per minute): | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	CG	40mL	HCl		2	8260	RFPP
	2	CG	40mL				8011	RFPP
	1	PE	1L				705	PP
	1	PE	500mL	HNO_3		2	Metals	
	1	PE	250mL	H_2SO_4		2	Nutrient	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF | SITE LOCATION: Volusia Co, FL

WELL NO: FQ | SAMPLE ID: F05050029-063 | DATE: 5/10/05

PURGING DATA

WELL DIAMETER (inches): | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: 1030 | PURGING ENDED AT: | TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1030 | SAMPLING ENDED AT:

PUMP OR TUBING DEPTH IN WELL (feet): | SAMPLE PUMP FLOW RATE (mL per minute): | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N (Y circled) | FIELD-FILTERED: Y N (N circled) Filtration Equipment Type: | FILTER SIZE: ____ µm | DUPLICATE: Y N (N circled)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	Cg	40ml	Hcl		2	8260	RFPP
	2	Cg	40ml				8011	RFPP
	1	pe	1L				TDS	PP
	1	pe	500mL	HNO_3		2	ICP Metals	
	1	pe	250ml	H_2SO_4		2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF	SITE LOCATION: Volusia Co.	
WELL NO: EQ	SAMPLE ID: F05050029-066	DATE: 5-11-05

PURGING DATA

WELL DIAMETER (inches): | TUBING DIAMETER (inches): 3/16 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X ~~.16~~ gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: | PURGING ENDED AT: | TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:00											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson/ELAB | SAMPLER(S) SIGNATURES: B. Hutcheson | SAMPLING INITIATED AT: 12:00 | SAMPLING ENDED AT: 12:10

PUMP OR TUBING DEPTH IN WELL (feet): | SAMPLE PUMP FLOW RATE (mL per minute): | TUBING MATERIAL CODE: Pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ______ µm | Filtration Equipment Type: ______ | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	Cg	40mL	HCL		≤2	8260	RFPP
	2	Cg	40mL	NONE		N/A	504	RFPP
	1	Pe	500mL	HNO_3		≤2	ICP Metal	PP
	1	Pe	1L	NONE		N/A	TDS	
	1	Pe	250mL	H_2SO_4		≤2	Nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tonoka LF | SITE LOCATION: Volusia Co.

WELL NO: EQ | SAMPLE ID: F05050029-069 | DATE: 5-12-05

PURGING DATA

WELL DIAMETER (inches): | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: | PURGING ENDED AT: | TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (μmhos/cm or μS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:30											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson / ELAB | SAMPLER(S) SIGNATURES: B. Hutcheson | SAMPLING INITIATED AT: 10:30 | SAMPLING ENDED AT: 10:44

PUMP OR TUBING DEPTH IN WELL (feet): | SAMPLE PUMP FLOW RATE (mL per minute): | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ____ μm | Filtration Equipment Type: | DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION				
	3	CG	40 mL	HCL		≤2	8260	RFPP
	2	CG	40 mL	NONE		N/A	8011	↓
	1	PE	500 mL	HNO_3		≤2	ICP metal	PP
	1	PE	1 L	NONE		N/A	TDS	↓
	1	PE	250 mL	H_2SO_4		≤2	Nutrients	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF	SITE LOCATION: Volusia Co.	
WELL NO: 6G	SAMPLE ID: F0505002-072	DATE: 5-13-05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:45											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hutcheson / ELIAS	SAMPLER(S) SIGNATURES: B. Hutcheson	SAMPLING INITIATED AT: 10:45	SAMPLING ENDED AT: 10:50
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	CG	40ml	HCl		2	8260	RFPP
	2	CG	40ml				8011	RFPP
	1	PE	1L				Nitrite, TDS	PP
	1	PE	500ml	HNO_3		2	Metals	
	1	PE	250ml	H_2SO_4		2	Nitrates	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 5-13-05 14:59
Sample Collector: BH/KD

Submission #: ~~F0505468-0~~ 3
Sample Location or ID: SW-1
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy
Temperature: 85°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction: N E S W

Sample Type:

☐ Surface Waters: Taken from: ☐ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1							no			
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Lot #: Time Sample Collected

FIELD NOTES: Not Accessible Due to overgrowth + water

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 5-13-05 13:00
Sample Collector: BH / KD

Submission #: F0505046S-001, -007
Sample Location or ID: SW-2
Sequence No.:
Client Name/ Address:

Weather Conditions:

Cloud Cover: [x] Sunny [ ] Partly Cloudy [ ] Cloudy
Temperature: 85° Drip
Rain: [x] No [ ] Yes
Wind Speed:
Wind Direction: N E S W

Sample Type:

[x] Surface Waters: Taken from: [ ] Shore [ ] Boat [x] Bridge [ ] Wading [ ] Other
Total Depth: [x] Surface [ ] Mid-depth [ ] Bottom
Type: [ ] Lake [ ] Stream [ ] River [ ] Other Landfill pond

[ ] Waste Waters Start Time Finish Time [ ] Composite [ ] Grab
Sampling Point: Volume mL per: [ ] Hr. [ ] 1/2 Hr. [ ]

[ ] Soils/ Sediment Sampling Point: Sample Depth [ ] Composite [ ] Grab
[ ] Drum Waste Type: Layers [ ] Yes [ ] No [ ] Composite [ ] Grab
[ ] Other Sampling Point: Sample Depth [ ] Composite [ ] Grab

[ ] Ground Waters: *See well and purging information below.*

Well Information:

Well Security: [ ] Lock
Casing Construction Type: [ ] PVC [ ] Metal
Well Diameter: [ ] 2 [ ] 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	13:00	9.20	213	25.79	1.3	8.05	no		NO	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Wand Lot #: Time Sample Collected 13:00

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 5-13-05 / 15:55
Sample Collector: BH / KD

Submission #: F0505048-002
Sample Location or ID: SW-3
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy
Temperature: 85
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth - depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb. NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	15:55	8.4	218	27.36	.75	5.39	no		yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Wand Lot #: Time Sample Collected 15:55

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F0505048-003

Project Name: TomokA LF
Date & Time: 5-13-05 14:00
Sample Collector: BH

Sample Location or ID: SW-4
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy

Temperature: 85°

Rain: ☑ No ☐ Yes

Wind Speed:

Wind Direction N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
☐ Surface ☐ Mid-depth ☐ Bottom

Total Depth:

Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information:

V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	14:00	9.5	371	27.76	2.0	8.63	no		NO	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Wand Lot #: Time Sample Collected 14:00

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F0505468-004

Project Name: Tomoka LF

Date & Time: 5-13-05 / 13:30

Sample Collector: BH

Sample Location or ID: SW-5

Sequence No.:

Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy

Temperature: 85°

Rain: ☑ No ☐ Yes

Wind Speed:

Wind Direction N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other ☐ Surface ☐ Mid-depth ☐ Bottom

Total Depth: 6"

Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☑ Waste Waters Start Time Finish Time ☐ Composite ☑ Grab

Sampling Point: ~~Shore~~ Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab

☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock

Casing Construction Type: ☐ PVC ☐ Metal

Well Diameter: ☐ 2 ☐ 4 (in.)

Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)

Depth to Water (T.O.C.): ft.

Groundwater Elevation: * ft. (MSL / NGVD)

(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)

Minimum Volume to Purge (3 / 5): (gal.)

Volume of Water to Remove: (gal.)

Purging Device: Lot #:

Time Purge Began:

Purging Rate (gal./min.)

Time Purge Ended:

Total Volume Purge (gal.)

Reading	Time	pH	Cond µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	13:30	9.3	556	26.82	3.6	7.40	no		NO	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Wand Lot #: Time Sample Collected 13:30

FIELD NOTES:

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF
SITE LOCATION: Volusia Co, FL
WELL NO: SW6
SAMPLE ID:
DATE: 5/8/0-

PURGING DATA

WELL DIAMETER (inches):
TUBING DIAMETER (inches):
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet):
PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):
FINAL PUMP OR TUBING DEPTH IN WELL (feet):
PURGING INITIATED AT:
PURGING ENDED AT:
TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elal
SAMPLER(S) SIGNATURES: [signature]
PUMP OR TUBING DEPTH IN WELL (feet):
SAMPLE PUMP FLOW RATE (mL per minute):
SAMPLING INITIATED AT:
SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y N
FIELD-FILTERED: Y N
Filtration Equipment Type:
FILTER SIZE: ______ µm
TUBING MATERIAL CODE:
DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS:
SW6 no longer exists

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (...)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF

WELL NO: SW9

SITE LOCATION: Volusia Co, FL

SAMPLE ID:

PURGING DATA

DATE: 5/13/05

WELL DIAMETER (inches):
TUBING DIAMETER (inches):
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet):
PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):
FINAL PUMP OR TUBING DEPTH IN WELL (feet):
PURGING INITIATED AT:
PURGING ENDED AT:
TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Ebal

SAMPLER(S) SIGNATURES:

PUMP OR TUBING DEPTH IN WELL (feet):
SAMPLE PUMP FLOW RATE (mL per minute):
SAMPLING INITIATED AT:
SAMPLING ENDED AT:

FIELD DECONTAMINATION: Y N
FIELD-FILTERED: Y N
Filtration Equipment Type:
FILTER SIZE: ____ µm
TUBING MATERIAL CODE:
DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS:

SW9 no longer exists

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% [illegible]

ELAB, INC. FIELD INFORMATION FORM

Submission #: F0505O408-005

Project Name: Tomoka LF
Date & Time: 5-13-05 / 14:30
Sample Collector: BH / KD

Sample Location or ID: SW-10
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy
Temperature: 85°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction N W E S

Sample Type:

☑ **Surface Waters:** Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
☐ Surface ☐ Mid-depth ☐ Bottom
Total Depth:
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ **Waste Waters** **Start Time** **Finish Time** ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ **Soils/ Sediment** Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ **Drum Waste** Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ **Other** Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ **Ground Waters:** *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	14:30	10.00	627	26.62	8.2	7.60	NO		NO	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Wand
Lot #:
Time Sample Collected 14:31

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Project Name: TomokA LF
Date & Time: 5-13-05 15:00
Sample Collector: BH/KD

Submission #: F05050408-006
Sample Location or ID: Leachate
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☑ Sunny ☐ Partly Cloudy ☐ Cloudy
Temperature: 85°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction: N E S W

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other ☐ Surface ☐ Mid-depth ☐ Bottom
Total Depth:
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL/NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL/NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth - depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	1500	9.77	6604	29.60	70	7.70	no		yes brown	yes
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Ward Lot #: Time Sample Collected 15:00

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F05060122-001

Project Name: Tomoka LF
Date & Time: 6-3-05 / 10:20
Sample Collector: BH

Sample Location or ID: SW-1
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction: N S E W

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	10:20	7.42	132	27.62	3.3	5.90			No	No
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Lot #: Time Sample Collected 10:20

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F0506012-002

Project Name: Tomoka LF
Date & Time: 6-3-05/11:00
Sample Collector: BH

Sample Location or ID: SW-2
Sequence No.:
Client Name/ Address:

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction: N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	11:00	6.99	429	27.19	5.2	5.00			Yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Surface H2O Wand Lot #: Time Sample Collected 11:00

FIELD NOTES: H2O level 26.0 ft

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 6-3-05 / 11:15
Sample Collector: BH

Submission #: F05060122-003
Sample Location or ID: SW-~~4~~5
Sequence No.:
Client Name/ Address:

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed: ____
Wind Direction: N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ____ ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other ____

☐ Waste Waters Start Time ____ Finish Time ____ ☐ Composite ☐ Grab
Sampling Point: ____ Volume ____ mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: ____ Sample Depth ____ ☐ Composite ☐ Grab
☐ Drum Waste Type: ____ Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other ____ Sampling Point: ____ Sample Depth ____ ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) ____ (ft.)

Reference Elevation: ____ ft. (MSL / NGVD)
Depth to Water (T.O.C.): ____ ft.
Groundwater Elevation: * ____ ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth - depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): ____ (gal.)
Minimum Volume to Purge (3 / 5): ____ (gal.)
Volume of Water to Remove: ____ (gal.)
Purging Device: ____ Lot #: ____

Time Purge Began: ____
Purging Rate (gal./min.) ____
Time Purge Ended: ____
Total Volume Purge (gal.) ____

Reading	Time	pH	Cond. µS	Temp. °C	Turb. NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	11:15	~~26.43~~ 7.38	656	26.43	11	5.15			Yellow	No
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: ____ Lot #: ____ Time Sample Collected 11:15

FIELD NOTES: H2O Measure 26.5 ft.

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 6-3-05 / 11:35
Sample Collector: BH

Submission #: F05060122-004
Sample Location or ID: Sw-10 ?
Sequence No.:
Client Name/ Address:

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed:
Wind Direction: N E S W

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
☐ Surface ☐ Mid-depth ☐ Bottom
Total Depth:
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL/NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL/NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	11:35	8.03	670	26.45	7.5	6.00			Yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Surface H2O Wand Lot #: Time Sample Collected 11:35

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F05060122-005

Project Name: Tomoka LF
Date & Time: 6-3-05 / 11:50
Sample Collector: BH

Sample Location or ID: SW-12
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy

Temperature: 80°

Rain: ☑ No ☐ Yes

Wind Speed:

Wind Direction: N / W / E / S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
☐ Surface ☐ Mid-depth ☐ Bottom

Total Depth:

Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL/NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL/NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	11:50	8.15	669	26.62	7.1	6.40			Yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Surface H2O wand Lot #: Time Sample Collected 11:50

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 6-3-05 / 12:15
Sample Collector: BH

Submission #: F05060122-006
Sample Location or ID: SW-11
Sequence No.:
Client Name/ Address:

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed: 5-10
Wind Direction: N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL/NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL/NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	12:15	8.03	486	26.14	75	6.28			Brown	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Surface H2O Wand Lot #: Time Sample Collected 12:15

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Project Name: Tomoka LF
Date & Time: 6-3-05 / 12:40
Sample Collector: BH

Submission #: F0506 0122-007
Sample Location or ID: SW-~~3~~4
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☑ No ☐ Yes
Wind Speed: 5-10
Wind Direction: N E S W

Sample Type:

☑ **Surface Waters:** Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ **Waste Waters** **Start Time** **Finish Time** ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ **Soils/ Sediment** Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ **Drum Waste** Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ **Other** Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ **Ground Waters:** *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL / NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL / NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4 " well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond uS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal	Res. Chlor.	Color	Odor
1	12:40	8.25	399	27.32	3.6	5.84			Yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Sampling Wand Lot #: Time Sample Collected

FIELD NOTES:

ELAB, INC. FIELD INFORMATION FORM

Submission #: F05060122-008

Project Name: Tomoka LF
Date & Time: 6-3-05 / 12:55
Sample Collector: BH

Sample Location or ID: SW-3
Sequence No.:
Client Name/ Address

Weather Conditions:

Cloud Cover: ☐ Sunny ☐ Partly Cloudy ☑ Cloudy
Temperature: 80°
Rain: ☐ No ☑ Yes
Wind Speed: 5
Wind Direction: N W E S

Sample Type:

☑ Surface Waters: Taken from: ☑ Shore ☐ Boat ☐ Bridge ☐ Wading ☐ Other
Total Depth: ☐ Surface ☐ Mid-depth ☐ Bottom
Type: ☐ Lake ☐ Stream ☐ River ☐ Other

☐ Waste Waters Start Time Finish Time ☐ Composite ☐ Grab
Sampling Point: Volume mL per: ☐ Hr. ☐ 1/2 Hr. ☐

☐ Soils/ Sediment Sampling Point: Sample Depth ☐ Composite ☐ Grab
☐ Drum Waste Type: Layers ☐ Yes ☐ No ☐ Composite ☐ Grab
☐ Other Sampling Point: Sample Depth ☐ Composite ☐ Grab

☐ Ground Waters: *See well and purging information below.*

Well Information:

Well Security: ☐ Lock
Casing Construction Type: ☐ PVC ☐ Metal
Well Diameter: ☐ 2 ☐ 4 (in.)
Total Well Depth: (T.O.C.) (ft.)

Reference Elevation: ft. (MSL/NGVD)
Depth to Water (T.O.C.): ft.
Groundwater Elevation: * ft. (MSL/NGVD)
(* Reference Elevation - Depth to water = Groundwater Elevation)

Purging Information: V = (total well depth -depth to water) x .17 for 2" well / (0.66 for 4" well, 1.47 for 6" well)

Well Water Volume (V): (gal.)
Minimum Volume to Purge (3 / 5): (gal.)
Volume of Water to Remove: (gal.)
Purging Device: Lot #:

Time Purge Began:
Purging Rate (gal./min.)
Time Purge Ended:
Total Volume Purge (gal.)

Reading	Time	pH	Cond. µS	Temp. °C	Turb NTU	D.O. mg/L	Sheen / Sal.	Res. Chlor.	Color	Odor
1	12:55	7.65	365	24.66	6.8	2.50			light yellow	NO
2										
3										
4										
5										

Sampling Device Information:

Sampling Device: Sampling wand Lot #: Time Sample Collected 12:55

FIELD NOTES: H_2O level 23 ft.

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka CF		SITE LOCATION: Volusia Co, FL	
WELL NO: E6	SAMPLE ID: F0560360-001		DATE: 6/13/05

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elad	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1100	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl		2	8260	RFPP
	2	CG	40ml				8021	RFPP
	1	PE	1L				Nitrate, TDS	PP
	1	PE	500ml	HNO_3		2	Metals	
	1	PE	250ml	H_2SO_4		2	nutrients	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF		SITE LOCATION: Volusia Co, FL	
WELL NO: B45-1	SAMPLE ID: F05060360-002		DATE: 6/13/08

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 3/8 | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): 4.58 | PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (37.25 feet − 4.58 feet) X .16 gallons/foot = 5.22 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0 | PURGING INITIATED AT: 1115 | PURGING ENDED AT: 1132 | TOTAL VOLUME PURGED (gallons): 8.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1126	5.50	5.50	.5	5.42	6.06	21.7	2111	1.10	235 ~~white~~		
1129	1.50	7.00		5.44	6.06	21.8	2116	1.04		white	yes
1132	1.50	8.00		5.44	6.07	21.8	2112	.99	230		
									230		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elcl | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1133 | SAMPLING ENDED AT: 1158

PUMP OR TUBING DEPTH IN WELL (feet): 7.0 | SAMPLE PUMP FLOW RATE (mL per minute): 100-200 | TUBING MATERIAL CODE: pe

FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N | FILTER SIZE: ____ µm | DUPLICATE: Y N
Filtration Equipment Type:

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	6	cg	40ml	HCl		2	8260	RFPP
	4	cg	40ml				8011	RFPP
	2	pe	1L				Nitro	
	2	pe	500ml	HNO3		2	Metals	PP
	2	pe	250ml	H_2SO_4		2	Ammon	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF
SITE LOCATION: Volusia, Co, FL
WELL NO: B45R
SAMPLE ID: F0506360-004
DATE: 6/13/05

PURGING DATA

WELL DIAMETER (inches): 2
TUBING DIAMETER (inches): 3/8
WELL SCREEN INTERVAL DEPTH: feet to feet
STATIC DEPTH TO WATER (feet): 3.91
PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (17.55 feet – 3.91 feet) X .16 gallons/foot = 2.18 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0
FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0
PURGING INITIATED AT: 1215
PURGING ENDED AT: 1224
TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1220	2.5	2.5	.5	5.61	5.85	22.4	247	2.50	55	clr	yes
1222	1.0	3.5		5.62	5.83	22.3	248	2.52	50		
1224	1.0	4.5		5.63	5.80	22.3	250	2.51	50		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle
SAMPLER(S) SIGNATURES:
SAMPLING INITIATED AT: 1225
SAMPLING ENDED AT: 1234
PUMP OR TUBING DEPTH IN WELL (feet): 7.0
SAMPLE PUMP FLOW RATE (mL per minute): 100-200
TUBING MATERIAL CODE: pe
FIELD DECONTAMINATION: Y N
FIELD-FILTERED: Y N
FILTER SIZE: ____ µm
Filtration Equipment Type:
DUPLICATE: Y N

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl		2	8260	RFPP
	2	CG	40ml				8011	RFPP
	1	pe	1L				Nitrate	PP
	1	pe	500ml	HNO_3		2	Metals	
	1	pe	250ml	H_2SO_4		2	Nitrate	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Tomoka LF
SITE LOCATION: Volusia Co, FL
WELL NO: B44
SAMPLE ID:
DATE: 6/13/05

PURGING DATA

WELL DIAMETER (inches): | TUBING DIAMETER (inches): | WELL SCREEN INTERVAL DEPTH: feet to feet | STATIC DEPTH TO WATER (feet): | PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet − feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): | FINAL PUMP OR TUBING DEPTH IN WELL (feet): | PURGING INITIATED AT: | PURGING ENDED AT: | TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Liddle / Elal
SAMPLER(S) SIGNATURES:
PUMP OR TUBING DEPTH IN WELL (feet): | SAMPLE PUMP FLOW RATE (mL per minute): | SAMPLING INITIATED AT: | SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y N | FIELD-FILTERED: Y N FILTER SIZE: ____ µm | TUBING MATERIAL CODE:
Filtration Equipment Type:
DUPLICATE: Y N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS: no access, could not samp.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FIELD INSTRUMENT CALIBRATION LOGS

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02606

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ____________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A pH 4 lab. std

Standard B pH 7 lab. std.

Standard C ____________

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
4-25-05	9:50	A ~~4~~	4	4.03		Y	I	KC
↓	↓	B ~~7~~	7	7.04		Y	I	KC
4-26-05	9:45	A	4	4.00		Y	I	BH
↓	↓	B	7	6.97		y	I	BH
4-27-05	9:45	A	4	4.05		y	I	BH
↓	↓	B	7	7.03		y	I	BH
4-28-05	9:00	A	4	4.02		y	I	BH
↓	↓	B	7	6.94		y	I	BH
4-29-05	9:05	A	4	4.02		y	I	BH
↓	↓	B	7	6.97		y	I	BH
5/2/05	9:30	A	4	4.02		Y	I	KC
↓	↓	B	7	7.00		Y	I	KC
5-3-05	9:50	A	4	4.03		y	I	BH
↓	↓	B	7	6.97		y	I	BH
5-3-05	13:10	A	4	4.22		y	C	BH
↓	↓	B	7	7.03		y	C	BH
5-4-05	9:45	A	4	3.98		Y	I	JC
↓	↓	B	7	7.00		Y	I	JC
5-5-05	9:30	A	4	4.04		y	I	BH
↓	↓	B	7	6.90		y	I	BH
5-6-05	9:40	A	4	4.05		y	I	BH
↓	↓	B	7	6.90		y	I	BH
5/9/5	9:30	A	4	3.65		Y	I	KD
↓	↓	B	7	7.40		Y	I	KD
5-10-05	9:40	A	4	4.03		y	I	BH
|	|	B	7	6.80		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02606

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A pH 4 lab std.
Standard B pH 7 lab. std.
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-11-05	9:15	A	4	4.05		y	I	BH
↓	↓	B	7	6.96		y	I	BH
5-12-05	8:40	A	4	4.04		y	I	[illegible]
↓	↓	B	7	6.98		y	I	[illegible]
5-13-05	8:55	A	4	NO use				
↓	↓	B	7	NO use				
5-16-05	8:10	A	4	4.03		y	I	BH
↓	↓	B	7	7.01		y	I	BH
5-17-05	9:00	A	4	4.05		y	I	BH
↓	↓	B	7	6.97		y	I	BH
5-18-05	9:00	A	4	4.05		y	I	BH
↓	↓	B	7	6.98		y	I	BH
5-19-05	9:40	A	4	4.05		y	I	BH
↓	↓	B	7	6.95		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02606

PARAMETER: *[check only one]*

- ☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
- ☐ TURBIDITY ☐ RESIDUAL Cl ☑ DO ☐ OTHER ____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A H_2O Standard Air 2 mil Pe

Standard B ____

Standard C ____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
4-25-05	9:15	A	9.276	9.32		y	I	BH
4-26	8:30	A	9.202	8.97		y	I	BH
4-27-05	9:10	A	9.111	8.94		y	I	BH
4-28-05	9:00	A	9.039	9.24		y	I	BH
4-29-05	8:45	A	9.314	9.32		y	I	BH
5-2-05	8:55	A	9.111	9.37		y	I	BH
5-3-05	9:25	A	9.056	8.90		y	I	BH
~~5-4-05~~	~~13:00~~	~~A~~						
5-4-05	9:30	A	9.111	9.36		y	I	BH
5-5-05	8:50	A	8.950	9.13		y	I	BH
5-6-05	8:50	A	8.968	8.50		y	I	BH
5/9/5	8:50	A	9.165	9.27		y	I	BH
5-10-05	9:15	A	9.056	7.90		Y	I	BH
5-11-05	8:45	A	9.295	9.26		y	I	BH
5-12-05	8:30	A	9.202	9.184		y	I	BH
5-13-05	8:30	A	9.486	9.111		y	I	JC
5-16-05	7:40	A	9.585	9.240		y	I	BH
5-17-05	8:45	A	9.056	8.40		y	I	BH
5-18-05	8:45	A	9.147	9.43		y	I	BH
5-19-05	9:25	A	8.932	8.29		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) La Motte **INSTRUMENT #** 268566

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP.
☑ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ________

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1 NTU
Standard B 10 NTU
Standard C ________

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
4-25-05	9:15	A	1	.75		y	I	BH
↓	↓	B	10	10		Y	I	KD
4-26-05	9:25	A	1	.95		y	I	BH
↓	↓	B	10	9.0		y	I	BH
4-27-05	9:15	A	1	1.0		y	I	BH
↓	↓	B	10	9.2		y	I	BH
4-28-05	9:00	A	1	1.2		y	I	BH
↓	↓	B	10	9.3		y	I	BH
4-29-05	8:55	A	1	1.1		y	I	BH
↓	↓	B	10	9.5		y	I	BH
5-2-05	9:00	A	1	.75		y	I	BH
↓	↓	B	10	9.8		y	I	BH
5-3-05	9:30	A	1	1.1		y	I	BH
↓	↓	B	10	10.07		y	I	BH
5-3-05	13:00	A	1	1.2		y	C	BH
↓	↓	B	10	9.6		y	C	BH
5-4-05	9:20	A	1	1.2		y	I	BH
↓	↓	B	10	10.1		y	I	BH
5-5-05	8:45	A	1	1.05		y	I	BH
↓	↓	B	10	11.0		y	I	BH
5-6-05	8:50	A	1	.95		y	I	BH
↓	↓	B	10	11.0		y	I	BH
5-9-05	9:00	A	1	.95		Y	I	KD
↓	↓	B	10	9.5		Y	I	KD
5-10-05	9:00	A	1	1.2		y	I	BA
↓	↓	B	10	9.7		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) La Motte **INSTRUMENT #** 26856

PARAMETER: *[check only one]*

- ☐ TEMPERATURE
- ☑ TURBIDITY
- ☐ CONDUCTIVITY
- ☐ RESIDUAL Cl
- ☐ SALINITY
- ☐ DO
- ☐ pH
- ☐ ORP
- ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 1 NTU

Standard B 10 NTU

Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-11-05	8:50	A	1	~~.95~~ .95 BH		y	I	BH
↓	↓	B	10	9.5		y	I	BH
5-12-05	8:45	A	1	1		y	I	BH
↓	↓	B	10	9.9		y	"	"
5-13-05	8:30	A	1	1.2		y	"	"
↓	↓	B	10	10.40		y	I	BH
5-16-05	7:50	A	1	1.00		y	I	BH
↓	↓	B	10	9.75		y	I	BH
5-17-05	8:55	A	1	1.1		y	I	BH
↓	↓	B	10	11		y	I	BH
5-18-05	8:50	A	1	.90		y	I	BH
↓	↓	B	10	9.95		y	I	BH
5-19-05	9:25	A	1	1.1		y	I	BH
↓	↓	B	10	11		y	I	BH
						y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02606

PARAMETER: *[check only one]*

☐ TEMPERATURE ☑ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 147 mg/cm lab. std
Standard B 1413 mg/cm lab. std.
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
4-25-05	9:20	A ~~147~~	~~A~~ 147	156		Y	I	KQ
↓	↓	~~B 1413~~	~~B~~ 1413	1307		Y	I	KQ
4-26-05	9:30	A	147	164		y	I	BH
↓	↓	B	1413	1280		y	I	BH
4-27-05	9:20	A	147	160		y	I	BH
↓	↓	B	1413	1294		y	I	BH
4-28-05	9:15	A	147	165		y	I	BH
↓	↓	B	1413	1235		y	I	BH
4-29-05	8:45	A	147	164		y	I	BH
↓	↓	B	1413	1233		y	I	BH
5-2-05	8:05	A	147	~~152~~ 169		Y	I	KQ
↓	↓	B	1413	1236		Y	I	KQ
5-3-05	9:25	A	147	~~167~~ BH 139		y	I	BH
↓	↓	B	1413	1403		y	I	BH
5-3-05	13:05	A	147	151		y	C	BH
↓	↓	B	1413	1380		y	C	BH
5-4-05	9:30	A	147	147		y	I	BH
↓	↓	B	1413	1398		y	I	BH
5-5-05	9:25	A	147	145		y	I	BH
↓	↓	B	1413	1410		y	I	BH
5-6-05	9:30	A	147	150		y	I	BH
↓	↓	B	1413	1397		y	I	BH
5/9/5	9:08	A	147	150		Y	I	KD
↓	↓	B	1413	1373		Y	I	KD
5-10-05	9:30	A	147	150		y	I	BH
↓	↓	B	1413	1340		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02606

PARAMETER: *[check only one]*

- ☐ TEMPERATURE
- ☑ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☐ TURBIDITY
- ☐ RESIDUAL Cl
- ☐ DO
- ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 147 mg/cm lab. std.
Standard B 1413 mg/cm lab. std.
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-11-05	9:00	A	147	150		y	I	BH
↓	↓	B	1413	1313		y	I	BH
5-12-05	8:35	A	147	150		y	I	JC
↓	↓	B	1413	1398		y	I	JC
5-13-05	8:35	A	147	153		y	I	BH
↓	↓	B	1413	1342		y	I	BH
5-16-05	7:45	A	147	152		y	I	BH
↓	↓	B	1413	1300		y	I	BH
5-17-05	9:00	A	147	158		y	I	BH
↓	↓	B	1413	1300		y	I	BH
5-18-05	8:55	A	147	160		y	I	BH
↓	↓	B	1413	1300		y	I	BH
5-19-05	9:25	A	147	160		y	I	BH
↓	↓	B	1413	1275		y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☑ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A pH 4
Standard B pH 7
Standard C pH 10

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-23-05	9:10	A	4	3.99		Y	I	BH
↓	↓	B	7	6.99		Y	I	BH
5-24-05	8:50	A	4	4.0		Y	I	BH
↓	↓	B	7	6.99		Y	I	BH
5-25-05	9:25	A	4	4.01		Y	I	BH
↓	↓	B	7	7.03		Y	I	BH
5-26-05	9:15	A	4	4.05		Y	I	BH
↓	↓	B	7	6.94		Y	I	BH
5/27/05	9:45	A	4	3.98		Y	I	KL
↓	↓	B	7	7.06		Y	I	KL
6-1-05	9:00	A	4	3.96		Y	I	KL
↓	↓	B	7	7.03		Y	I	KL
6-3-05	9:25	A	4	3.89		Y	I	BH
↓	↓	B	7	7.09		Y	I	BH
6/6/05	9:00	A	4	4.08		Y	I	KL
↓	↓	B	7	~~7.19~~ 6.98		Y	I	KL
6/7/05	9:25	A	4	3.96		Y	I	JC
↓	↓	B	7	6.96		Y	I	JC
6-8-05	9:20	A	4	4.05		Y	I	BH
↓	↓	B	7	6.94		Y	I	BH
6-9-05	8:10	A	4	3.99		Y	I	BH
↓	↓	B	7	6.96		Y	I	BH
6/13/05	9:30	A	4	3.93		Y	I	KL
↓	↓	B	7	7.07		Y	I	KL

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☑ DO ☐ OTHER ____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A H_2O Standard Air
Standard B ____
Standard C ____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-23-05	8:30	A	8.985	9.50		Y	I	BH
5-24-05	8:25	A	9.029	9.25		Y	I	BH
5-25-05	8:45	A	9.021	9.050		Y	I	BH
5-26-05	9:00	A	9.111	9.11		Y	I	BH
5-26-05	9:10	A	9.003	9.02		Y	I	KC
6-1-05	8:20	A	8.880	8.62		Y	I	KC
6-3-05	9:15	A	9.074	8.97		Y	I	BH
~~6-6-05~~	~~8:30~~	~~A~~	~~9.039~~	~~9.14~~		Y	I	KC
6/7/05	8:30	A	8.710	8.88		Y	I	KC
6-8-05	8:40	A	9.165	9.22		Y	I	KC
6-9-05	7:30	A	9.092	9.13		Y	I	BH
6/13/05	8:40	A	9.129	9.16		Y	I	KC
6/15/05	8:15	A	9.056	9.06		Y	I	KC
6-20-05		A	9.352	9.46		Y	I	BH
6/22/05	8:35	A	9.021	9.10		Y	I	KC
6-24-05	7:55	A	8.968	8.99		Y	I	BH
6-27-05	8.30	A	8.863	8.91		Y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) La Motte INSTRUMENT # 0932-4298

PARAMETER: [check only one]

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☑ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: [Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]

Standard A Std. 1 NTU
Standard B Std. 10 NTU
Standard C

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-23-05	9:05	A	1	1.00		y	I	BH
↓	↓	B	10	9.7		y	I	BH
5-24-05	8:25	A	1	1.3		y	I	BH
↓	↓	B	10	11.0		y	I	BH
5-25-05	8:45	A	1	.99		y	I	BH
↓	↓	B	10	9.8		y	I	BH
5-26-05	9:05	A	1	.95		y	I	BH
↓	↓	B	10	11.0		y	I	BH
5/26/05	9:10	A	1	.72		Y	I	KD
↓	↓	B	10	10		Y	I	KD
6/1/05	8:10	A	1	1.2		Y	I	KD
↓	↓	B	10	11		Y	I	KD
6-3-05	9:15	A	1	.85		y	I	BH
↓	↓	B	10	9.90		y	I	BH
6/6/05	8:25	A	1	.95		Y	I	Kl
↓	↓	B	10	8.8		Y	I	Kl
6/7/05	8:15	A	1	1.9		Y	I	Kl
↓	↓	B	10	11		Y	I	Kl
6-8-05	8:20	A	1	.85		y	I	BH
↓	↓	B	10	9.7		y	I	BH
6-9-05	7:40	A	1	.90		y	I	BH
↓	↓	B	10	9.90		y	I	BH
6/13/05	8:30	A	1	.95		Y	I	Kl
↓	↓	B	10	10		Y	I	Kl

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

☐ TEMPERATURE ☑ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 147 uS/cm lad. Std F08
Standard B 1413 uS/cm lad. Std. F09
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-23-05	9:20	A	147	157		y	I	BH
↓	↓	B	1413	1337		y	I	BH
5-24-05	8:45	A	147	154		y	I	BH
↓	↓	B	1413	1350		y	I	BH
5-25-05	8:50	A	147	152		y	I	BH
↓	↓	B	1413	1350		y	I	BH
5-26-05	9:00	A	147	150		y	I	BH
↓	↓	B	1413	1345		y	I	BH
5/27/05	9:20	A	147	153		Y	I	KL
↓	↓	B	1413	1373		Y	I	KL
6/1/05	8:40	A	147	154		Y	I	KL
↓	↓	B	1413	1297		Y	I	KL
6-3-05	9:20	A	147	158		y	I	BH
↓	↓	B	1413	1290		y	I	BH
6-6-05	8:40	A	147	147		Y	I	KL
↓	↓	B	1413	1318		Y	I	KL
6/7/05	8:35	A	147	147		Y	I	KL
↓	↓	B	1413	1328			I	KL
6-8-05	8:55	A	147	158		y	I	BH
↓	↓	B	1413	1250		y	I	BH
6-9-05	7:40	A	147	160		y	I	BH
↓	↓	B	1413	1230		y	I	BH
6/13/05	8:45	A	147	154		Y	I	KL
↓	↓	B	1413	1314		Y	I	KL

Revision Date: February 1, 2004

1

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A PH 4
Standard B pH 7
Standard C pH 10

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/7/05	9:30	A	4	4.07		Y	I	KC
↓	↓	B	7	7.09		Y	I	KC
6/8/05	9:05	A	4	3.95		Y	I	KC
↓	↓	B	7	7.05		Y	I	KC
6/9/05	900	A	4	3.97		Y	I	KC
↓	↓	B	7	7.03		Y	I	KC
6/10/05	9:10	A	4	4.07		Y	I	KC
↓	↓	B	7	6.94		Y	I	KC
6-13-05	8:55	A	4	3.96		Y	I	BH
↓	↓	B	7	7.03		Y	I	KC
6-14-05	8:40	A	4	3.98		Y	I	BH
↓	↓	B	7	7.09		Y	I	BH
6-15-05	8:20	A	4	4.04		Y	I	BH
↓	↓	B	7	6.90		Y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 MPS **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☒ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A H_2O Standard Air
Standard B ______
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
5-20-05	7:00	A	9.074	8.91		Y	I	BH
5/23/5	8:50	A	9.129	9.60		Y	I	KD
5/24/05	930	A	8.985	8.99		Y	I	OC
5-25-05	9:30	A	8.968	9.00		Y	I	BH
5-26-05	9:10	A	9.111	9.16		Y	I	BH
5-27-05	911	A	8.693	8.246		Y	I	OC
5-31-05		A	8.915	9.01		Y	I	BH
6-1-05	815	A	8.968	9.24		Y	I	KC
6-2-05	750	A	9.165	9.17		Y	I	OC
6-3-05	800	A	9.147					
6-6-05	8:25	A	9.039	9.27		Y	I	KC
6/7/05	8:30	A	8.932	8.63		Y	I	KC
6/8/05	8:35	A	9.129	8.84		Y	I	KC
6-9-05	7:50	A	9.147	8.80		Y	I	BH
6-10-05	8:50	A	9.129	9.20		Y	I	KC
6-13-05	8:30	A	9.184	9.10		Y	I	BH
6-14-05	7:50	A	9.092	9.19		Y	I	BH
6-15-05	8:15	A	9.129	8.90		Y	I	BH

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) La Motte **INSTRUMENT #** 0932 - 4298

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP
☒ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Std. 1 NTU
Standard B Std. 10 NTU
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/9/05	8:30	A	1	1.1		Y	I	KL
↓	↓	B	10	9.7		Y	I	KL
6/10/05	8:25	A	1	1.9		Y	I	KL
↓	↓	B	10	11		Y	I	KL
6-13-05	8:25	A	1	.85		y	I	BH
↓	↓	B	10	9.0		y	I	BH
6-14-05	8:00	A	1	.80		y	I	BH
↓	↓	B	10	10.20		y	I	BH
6-15-05	8:10	A	1	1.08		y	I	BH
↓	↓	B	10	10.30		y	I	BH

(1.10) Aft[illegible]
cleaning #[illegible]
Vile Re-c[illegible]
TO THIS

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

INSTRUMENT (MAKE/MODEL#) YSI 556 mps **INSTRUMENT #** 02697

PARAMETER: *[check only one]*

- ☐ TEMPERATURE
- ☒ CONDUCTIVITY
- ☐ SALINITY
- ☐ pH
- ☐ ORP
- ☐ TURBIDITY
- ☐ RESIDUAL Cl
- ☐ DO
- ☐ OTHER ______

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A 147 us/cm lab std. F08
Standard B 1413 us/cm lab std. F09
Standard C ______

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
6/8/05	8:40	A	147	149		Y	I	Kl
↓	↓	B	1413	1390		Y	I	Kl
6-9-05	7:50	A	147	155		Y	I	BH
↓	↓	B	1413	1371		Y	I	Kl
6/10/05	8:55	A	147	152		Y	I	Kl
↓	↓	B	1413	1412		Y	I	Kl
6-13-05	9:30	A	147	158		Y	I	BH
↓	↓	B	1413	1320		Y	I	BH
6-14-05	7:55	A	147	149		Y	I	BH
↓	↓	B	1413	1407		Y	I	BH
6-15-05	8:50	A	147	155		Y	I	BH
↓	↓	B	1413	1330		Y	I	BH

CHAIN OF CUSTODIES

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
ELAB, Inc.
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 86192

Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: ______°C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F0505029

1. Client: (Company or Individual) Volusia Co Solid Waste
Address:
City / State / Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above)
Address:
City / State / Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: Tomoka CF Semi Annual
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: JC/BIT
8. Shipping Method:

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush: _/_/_

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
- C = Cool Only
- H = Hydrochloric Acid
- M = Monochloroacetic Acid
- N = Nitric Acid
- OH = Sodium Hydroxide
- S = Sulfuric Acid
- T = Sodium Thiosulfate

											14.	15. Preservatives	H	C	C	N	S				
												16. Containers	V	V	P	P	P				
Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	No. of Containers	17. Analyses Requested: 8260	8011	705	Metals	Nutrient			20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	5/3/05	1030		V	GW					8	3	2	1	1	1				
2		B43-1		1053																	
3		DUP		1053																	
4		B43-2		1049																	
5		B70-2		1149																	
6		B70-1		1157																	
7		M05		1224																	
8		B42-2		1324																	
9		B42-1		1258																	
10		B13		1400																	

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	R Deale	5/3/05	1644	[signature]	5/3/05	1644
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
ELAB, Inc.
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF [illegible]STODY RECORD

No. E 86191

Pag[illegible] of ___

FOR LAB USE ONLY
Temp. of Contents: ______ °C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F0505029

1. Client: (Company or Individual) Volusia Co Solid Waste
Address:
City | State | Zip Code | Phone: ( ) | Fax: ( )

2. Report to: (if different from above)
Address:
City | State | Zip Code | Phone: ( ) | Fax: ( )

3. Client Project Name: Tomoka CF Semi Annual
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: DL/BH
8. Shipping Method:

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush : __/__/__

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

15. Preservatives: H | C | C | N | S
16. Containers: V | V | P | P | P
17. Analyses Requested: 8260 | 8011 | TDS | Metals | Nutrient

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	TDS	Metals	Nutrient				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		B41-2	5/3/05	1435		X	GW					8	3	2	1	1	1					
2		B41-1		1447																		
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	JZ to cooler	5/3/05	1644	[signature]	5/4/05	1644
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ________ Hrs.
Equipment Rental Fee: ________
Profile No.: | Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

ELAB, Inc.

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF STODY RECORD

No. E 86219

Pag of

FOR LAB USE ONLY
Temp. of Contents: ______ °C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F05050029

1. Client: (Company or Individual) Fla Volusia Co Solid Waste

Address:
City State Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above)

Address:
City State Zip Code
Phone: ( ) Fax: ( )

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush : / /

3. Client Project Name: Tomoka LF Semi Annual
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: JC/BIR
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)	Preservative Codes (for Item 15)
DW = Drinking Water	V = VOA vial	C = Cool Only
GW = Ground Water	G = glass	H = Hydrochloric Acid
SW = Surface Water	P = plastic	M = Monochloroacetic Acid
PW = Processed Water	M = micro bag/cup	N = Nitric Acid
WW = Waste Water	O = other	OH = Sodium Hydroxide
		S = Sulfuric Acid
		T = Sodium Thiosulfate

15. Preservatives: H, C, C, N, S
16. Containers: V, V, P, P, P
17. Analyses Requested: 826O, 8011, TDS, Metals, Nitrate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	826O	8011	TDS	Metals	Nitrate				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	5/5/05	950		X	GW					8	3	2	1	1	1					
2		B65		1010																		
3		DUP		1010																		
4		B40-2		1050																		
5		B40-1		1053																		
6		B71		1135																		
7		B72		1215																		
8																						
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	5/5/05	1420	Karen Bailey	5/5/05	14:20
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
ELAB, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 86226

FOR LAB USE ONLY
Temp. of Contents: ROI °C (or Received on Ice, ROI)
Condition of Contents: ___
Condition of Seals: ___

FOR LAB USE ONLY
Submission No. F0505029

1. Client: (Company or Individual) Volusia Co Solid Waste
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above)
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

3. Client Project Name: Tomoka CF Semi Annual
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By:
8. Shipping Method:

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush: / /

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

15. Preservatives: H | C | C | N | S
16. Containers: V | V | P | P | P
17. Analyses Requested: 8260 | 8011 | TDS Nutrients | Metals | Nutrients

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	TDS Nutrients	Metals	Nutrients				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	5/6/05	1036		X	GW					8	3	2	1	1	1					
2		B73-2		1050																		
3		B73-1		1057																		
4		DUP		1057																		
5		B74A		1139																		
6		B 75		1209																		
7		B60		1247																		
8		B68		1327																		
9		B81		1358																		
10		B82		1426																		

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	5/6/05	1530	[signature]	5/6/05	1545
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ___ Hrs.
Equipment Rental Fee: ___
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001

ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 85664

Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: 1.5 °C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F0505029

1. Client: (Company or Individual) Volusia County Solid Waste
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above)
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

3. Client Project Name: Tomoka LF Semi Annual
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: DC
8. Shipping Method:

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush: _/_/_

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

15. Preservatives: H | C | C | N | S
16. Containers: V | V | P | P | P
17. Analyses Requested: 8260 | 8011 | TDS Nitrate | Metals | Nutrients

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	TDS Nitrate	Metals	Nutrients				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	5/10/05	1030		X	GW					8	3	2	1	1	1					
2		B33-1		1057																		
3		DUP		1057																		
4		B33-2		1134																		
5		B32		1207																		
6		B11		1254																		
7		B34-1		1347																		
8		B34-2		1425																		
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	5/10/05	1540	[signature]	5/10/05	1540
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.: | Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 86247

Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: 0° °C (or Received on Ice, ROI)
Condition of Contents: ______
Condition of Seals: ______

FOR LAB USE ONLY
Submission No. F0505 0029

1. Client: (Company or Individual) Volusia County
Address:
City / State / Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above)
Address:
City / State / Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: Tomoka LF
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BH / KD
8. Shipping Method:

18. Report Type:
- [ ] Routine
- [ ] Standard QC
- [ ] Datapackage

19. Turnaround Time
- [ ] Standard
- [ ] Rush: _/_/_

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

												15. Preservatives	H	C	N	C	S			
												16. Containers	G	G	P	P	P			
Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	17. Analyses Requested: 8260	504	ICP Metals	Total Dissolved Solids	Nutrients		20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	EQ		5-11-05	12:00		X	GW					8	3	2	1	1	1			
2	DUP			12:40																
3	B 39			12:40																
4	B 64			14:00																
5	B 37-1			14:47																
6																				
7																				
8																				
9																				
10																				

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	B. Hutheson	5-11-05	16:30	B. Bullock	5/12/05	0820
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
ELAB, Inc.

CHAIN OF CUSTODY RECORD

No. E 83354

Page ___ of ___

(INSTRUCTIONS ON BACK OF THIS FORM)

FOR LAB USE ONLY
Temp. of Contents: 0° °C (or Received on Ice, ROI)
Condition of Contents: ____
Condition of Seals: ____

FOR LAB USE ONLY
Submission No. F05050029

1. Client: (Company or Individual) Volusia County
Address:
City | State | Zip Code
Phone: ( ) | Fax: ( )

2. Report to: (if different from above)
Address:
City | State | Zip Code
Phone: ( ) | Fax: ( )

18. Report Type:
- Routine
- Standard QC
- Datapackage

19. Turnaround Time
- Standard
- Rush : _/_/_

3. Client Project Name: Tomoka LF
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BH
8. Shipping Method:

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

15. Preservatives: H | C | N | C | S
16. Containers: G | G | P | P | P
17. Analyses Requested: 8260 | 8011 | ICP Metals | Total Dissolved Solids | Nutrients

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	ICP Metals	Total Dissolved Solids	Nutrients				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1	EQ		5-12-05	10:30		X	GW					8	3	2	1	1	1					
2	Dup			10:55																		
3	B 37-2			10:55																		
4	B 36			12:18																		
5	B 5			13:01																		
6	B 61			13:46																		
7	B 62-1			14:29																		
8	B 62-2			15:10																		
9	B 66			15:59																		
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	B. Hutcheson TO cooler	5-12-05	18:00	B. Bullock	5/13/05	0840
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ________ Hrs.
Equipment Rental Fee: ________
Profile No.: | Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

ELAB, Inc.

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 83355

Page ___ of ___

FOR LAB USE ONLY
Temp. of Contents: ______ °C (or Received on Ice, ROI)
Condition of Contents: ________
Condition of Seals: ________

FOR LAB USE ONLY
Submission No. F0505029

1. Client: (Company or Individual) Volusia Co Solid Waste
Address:
City ___ State ___ Zip Code ___
Phone: ( ) Fax: ( )

2. Report to: (if different from above)
Address:
City ___ State ___ Zip Code ___
Phone: ( ) Fax: ( )

3. Client Project Name: Tomoka Semi Annual GW's
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By:
8. Shipping Method:

18. Report Type:
- [ ] Routine
- [ ] Standard QC
- [ ] Datapackage

19. Turnaround Time
- [ ] Standard
- [ ] Rush : _/_/_

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
- C = Cool Only
- H = Hydrochloric Acid
- M = Monochloroacetic Acid
- N = Nitric Acid
- OH = Sodium Hydroxide
- S = Sulfuric Acid
- T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	17. Analyses Requested: 8260 (15. Preservatives: H; 16. Containers: V)	8011 (C; V)	TDS Nitrate (C; P)	ICP Metals (N; P)	Nitrate (S; P)					20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	5/13/05	1045		X	GW					8	3	2	1	1	1						
2		FA 2C		1127																			
3		DUP		1127																			
4		FA 1B		1224																			
5																							
6																							
7																							
8																							
9																							
10																							

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	5/13/05	1651	[signature]	5/13/05	1650
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ________ Hrs.
Equipment Rental Fee: ________
Profile No.: Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001

ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 83356

Page ____ of ____

FOR LAB USE ONLY
Temp. of Contents: ______ °C (or Received on Ice, ROI)
Condition of Contents: ____________
Condition of Seals: ________

FOR LAB USE ONLY
Submission No. F05050468

1. Client: (Company or Individual) Tomoka LF Volusia Co.
Address:
City State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above)
Address:
City State Zip Code
Phone: ( )
Fax: ( )

18. Report Type:
- [ ] Routine
- [ ] Standard QC
- [ ] Datapackage

19. Turnaround Time
- [ ] Standard
- [ ] Rush : _/_/_

3. Client Project Name: Tomoka LF
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BH/KD
8. Shipping Method:

Water Sample Codes (for Item 13)	Container Codes (for Item 16)
DW = Drinking Water	V = VOA vial
GW = Ground Water	G = glass
SW = Surface Water	P = plastic
PW = Processed Water	M = micro bag/cup
WW = Waste Water	O = other

Preservative Codes (for Item 15)
- C = Cool Only
- H = Hydrochloric Acid
- M = Monochloroacetic Acid
- N = Nitric Acid
- OH = Sodium Hydroxide
- S = Sulfuric Acid
- T = Sodium Thiosulfate

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	17. Analyses Requested: TDS, BOD 5day, Ammonia, TSS	Fecal Coliform	TOC	Chlorophyll a phaeophyton	COD Nitrogen Ammonia, TP	8011	8260	ICP Metals	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
												15. Preservatives	C	T	H	C	N	C	H	N		
												16. Containers	P	M	P	AP	P	V	V	P		
1	Sw-2		5-13-05	13:00		X	SW					11	1	1	1	1	1	2	3	1		
2	DUP			13:30																		
3	Sw 5			14:00																		
4	Sw 4			14:00																		
5	Sw-10			14:30																		
6	Sw. 3			15:55																		
7	Leachate			15:00																		
8																						
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	5/13/05	1703	[signature]	5/13/05	1703
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ________ Hrs.
Equipment Rental Fee: ________
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001

ELAB, Inc.

(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 83701

Page ____

FOR LAB USE ONLY
Condition of Contents:
Temp. of Contents: ____ °C (or Received on Ice, ROI)
Condition of Seals: ____

FOR LAB USE ONLY
Submission No. F0506O122

1. Client: (Company or Individual) Volusia County
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above)
Address:
City / State / Zip Code
Phone: ( ) Fax: ( )

3. Client Project Name: TomoKA LF
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: BH
8. Shipping Method:

18. Report Type: Routine / Standard QC / Datapackage

19. Turnaround Time: Standard / Rush : _/_/_

Water Sample Codes (for Item 13): DW = Drinking Water; GW = Ground Water; SW = Surface Water; PW = Processed Water; WW = Waste Water

Container Codes (for Item 16): V = VOA vial; G = glass; P = plastic; M = micro bag/cup; O = other

Preservative Codes (for Item 15): C = Cool Only; H = Hydrochloric Acid; M = Monochloroacetic Acid; N = Nitric Acid; OH = Sodium Hydroxide; S = Sulfuric Acid; T = Sodium Thiosulfate

17. Analyses Requested

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	TSS, BOD, TDS, Anions	ICP Metals	CHLA + PHeophytin	Nitrogen, Ammonia, Chemical Oxygen Demand, TP, TN	TOC	Fecal Coliform	20 REMARK	LAB USE ONLY LAB SAMPLE NO.
15. Preservatives													H	C	C	N	C	S	H	C		
16. Containers													G	G	P	P	P	P	P	P		
1	Sw-1		6-3-05	10:20		X	SW					11	3	2	1	1	1	1	1	1		
2	Sw-2		↓	11:00		↓	↓					1								1		
3	Sw-5			11:15								1								1		
4	Sw-10			11:35								1								1		
5	Sw-12			11:50								11	3	2	1	1	1	1	1	1		
6	Sw-11			12:15								11	↓	↓	↓	↓	↓	↓	↓	↓		
7	Sw-4			12:40								1								1		
8	Sw-3			12:55								1								1		
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	B. Hutcheson	6-3-05	14:02	[signature]	6/3/05	1402
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ______ Hrs.
Equipment Rental Fee: ______
Profile No.:
Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99

Elab, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(904)672-5668 ● FAX (904)673-4001
ELAB, Inc.
(INSTRUCTIONS ON BACK OF THIS FORM)

CHAIN OF CUSTODY RECORD

No. E 81136

Page ____ of ____

FOR LAB USE ONLY
Temp. of Contents: ______ °C (or Received on Ice, ROI)
Condition of Contents: ____________
Condition of Seals: ____________

FOR LAB USE ONLY
Submission No. F0506036O

1. Client: (Company or Individual) Volusia Co Solid Waste
Address:
City | State | Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above)
Address:
City | State | Zip Code
Phone: ( ) Fax: ( )

3. ~~Client~~ Project Name: Tomoka B45 resample
4. Client Project No.:
5. P.O. No.:
6. Custody Seal No.:
7. Sampled By: 2
8. Shipping Method:

18. Report Type:
- [ ] Routine
- [ ] Standard QC
- [ ] Datapackage

19. Turnaround Time
- [ ] Standard
- [ ] Rush: __/__/__

Water Sample Codes (for Item 13)
DW = Drinking Water
GW = Ground Water
SW = Surface Water
PW = Processed Water
WW = Waste Water

Container Codes (for Item 16)
V = VOA vial
G = glass
P = plastic
M = micro bag/cup
O = other

Preservative Codes (for Item 15)
C = Cool Only
H = Hydrochloric Acid
M = Monochloroacetic Acid
N = Nitric Acid
OH = Sodium Hydroxide
S = Sulfuric Acid
T = Sodium Thiosulfate

15. Preservatives: H | C | C | N | S
16. Containers: V | V | P | P | P
17. Analyses Requested: 8260 | 8011 | TDS, Cl, Nitrate | T/ Metals | Nutrients

Item	9. Sample ID or No.	10. Sample Description	11. Date	Time	12. Comp.	Grab	13. Water (Codes)	Air	Soil	Sludge	Other	14. No. of Containers	8260	8011	TDS, Cl, Nitrate	T/ Metals	Nutrients				20 REMARK	LAB USE ONLY LAB SAMPLE NO.
1		EQ	6/12/05	1100		X	GW					8	3	2	1	1	1					
2		B45-1	|	1133		|	|					|	|	|	|	|	|					
3		DUP	|	1133		|	|					|	|	|	|	|	|					
4		B45-2	|	1225		|	|					|	|	|	|	|	|					
5																						
6																						
7																						
8																						
9																						
10																						

21.	RELINQUISHED BY	DATE	TIME	22. RECEIVED BY	DATE	TIME
1	[signature]	6/13/-	1400	[signature]	6-13-05	14:00
2						
3						
4						

FOR LAB USE ONLY
Sampling Fee: ________ Hrs.
Equipment Rental Fee: ________
Profile No.: | Quote No.:

DISTRIBUTION: White with report; Blue, Green, Yellow to labs; Gold to submitter

Revised: 1/99